AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

- 1-60. (canceled).
- 61. (currently amended) A recombinant mammalian chromosome comprising a an exogenous Group I intron encoded endonuclease site,

wherein the endonuclease site is within an integrated nucleic acid sequence from a vector, wherein the site is selected from the group consisting of an I-SceIV site, an I-CsmI site, I-PanI site, I-SceII site, an I-CeuI site, an I-PpoI site, an I-SceIII site, an I-CreI site, an I-TevI site, an I-TevII site, an I-TevII site, and an I-SceI site.

- 62. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-SceIV site.
- 63. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-CsmI site.
- 64. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-PanI site.
- 65. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-SceII site.

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66. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-CeuI site.

- 67. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-PpoI site.
- 68. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-SceIII site.
- 69. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-CreI site.
- 70. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-TevI site.
- 71. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-TevII site.
- 72. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-TevIII site.
- 73. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-SceI site.
- 74. (previously presented) The recombinant mammalian chromosome of any of claims 61-73, wherein the chromosome is a murine chromosome.
- 75. (previously presented) The recombinant mammalian chromosome of any of claims 61-73, wherein the chromosome is a mouse chromosome.

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76. (previously presented) A recombinant cell comprising the recombinant chromosome of any of claims 61-73.

- 77. (previously presented) A recombinant cell comprising the recombinant chromosome of claim 74.
- 78. (previously presented) A recombinant cell comprising the recombinant chromosome of claim 75.
- 79. (previously presented) The recombinant cell of claim 78, wherein the recombinant cell is a mouse stem cell.

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